

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1731100051](#)  
**Status:** **Active**  
**Overview:** [FCT D-Sub Connectors](#)  
**Description:** FCT Standard-Density Waterproof D-Sub Connector, Female, Straight, Solder Cup, Gold over Nickel Phosphorus Plating, Plastic Watertight Frame, 9 Circuits

**Documents:**

[Datasheet \(PDF\)](#)

[Brochure \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                  |                                      |
|------------------|--------------------------------------|
| Product Family   | D-Sub Products                       |
| Series           | <a href="#">173110</a>               |
| IP Rating        | IP67                                 |
| Overview         | <a href="#">FCT D-Sub Connectors</a> |
| Product Category | D-Sub Connector                      |
| Product Name     | FCT Products                         |
| Type             | Standard Density                     |
| UPC              | 889056487207                         |

**Physical**

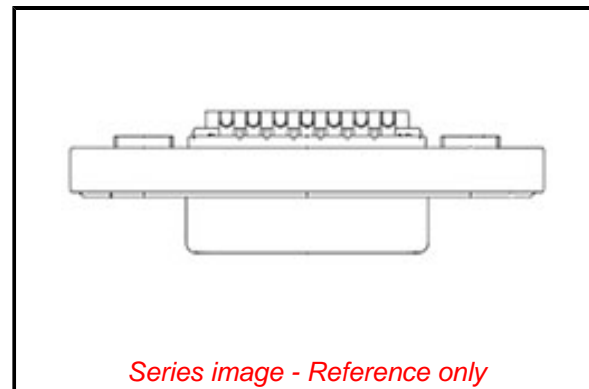
|                                |                             |
|--------------------------------|-----------------------------|
| Circuits (Loaded)              | 9                           |
| Circuits (maximum)             | 9                           |
| Color - Resin                  | Red                         |
| Durability (mating cycles max) | 500                         |
| Gender                         | Female                      |
| Material - Contact             | Copper Alloy                |
| Material - Resin               | PBT                         |
| Material - Shell               | Brass                       |
| Net Weight                     | 10.300/g                    |
| Number of Rows                 | 2                           |
| Orientation                    | Straight                    |
| PCB Locator                    | No                          |
| PCB Retention                  | None                        |
| Packaging Type                 | Carton                      |
| Panel Mount                    | Rear                        |
| Panel Mount Method             | Thread-In                   |
| Pitch - Mating Interface       | 2.84mm                      |
| Pitch - Termination Interface  | 2.84mm                      |
| Plating - Contact              | Gold over Nickel Phosphorus |
| Plating - Shell                | Tin                         |
| Polarized to Mating Part       | Yes                         |
| Ports                          | 1                           |
| Shielded                       | Yes                         |
| Temperature Range - Operating  | -25° to +70°C               |
| Termination Style              | Solder Cup                  |
| Waterproof / Dustproof         | Yes                         |
| Waterproof / Dustproof Type    | IP67                        |
| Wire Size AWG                  | 20                          |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 7.5A |
|-------------------------------|------|

**Material Info**

|                    |          |
|--------------------|----------|
| Engineering Number | FWDR09SA |
|--------------------|----------|



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant with Exemption 6(c)**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

For more information, please visit [Contact US](#)

China ROHS

50 Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

**Search Parts in this Series**

[173110 Series](#)

**Mates With**

FCT Standard Density D-Sub, Size 1, 9 Position, Plug

**Use With**

FCT D-Sub Dust Caps

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[012-9507-034](#) [012-9507-114](#) [020745-0008](#) [609-25P](#) [CT2-14S-2PCA34](#) [CT2-18-11PCAU](#) [CT6-10SL-3SC](#) [CT6-10SL-4SC](#) [CT6-14S-2SC](#)  
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